Energy, Mines and Resources Canada | Énergie, Mines et Ressources Canada

CANMET

Canada Centre for Mineral and Energy Technology | Centre canadien de la technologie des minéraux et de l'énergie

REPORT OF MEETING OF ISO/TC27 SC2 BROWN COALS & LIGNITES LONDON, NOVEMBER 15-17, 1978

W.J. MONTGOMERY

DECEMBER 1978

ENERGY RESEARCH PROGRAM
ENERGY RESEARCH LABORATORIES
REPORT ERP/ERL 78-98 (TR)

Report of Meeting of
ISO/TC27 SC2 Brown Coals & Lignites
London, November 15-17, 1978

by

W.J. Montgomery

Introduction

Following the meeting of SC2 in Belgrade in October 1976 it was assumed that the Secretariat relinguished by Poland would be taken over by Germany, which would have insured continuity, however there is still some doubt that this will transpire. TC27 Secretariat is to obtain a definite answer from Germany (DIN) as soon as possible. Should Germany not accept, other "P" members of the SC will be asked to take-over the Secretariat. As the Canadian expert I indicated that Canada might possibly be willing if some assistance could be obtained from SCC, in the way of providing French translations. I could handle all other secretarial work.

In attendance at the meeting were representatives from Germany, Poland, U.K., U.S.S.R. and Yugoslavia as well as Canada. Dr. Kurtz of Germany was elected Chairman and followed the Agenda prepared by TC27. As background for the meeting TC27 prepared document N 300, Summary of Developments since the Belgrade Meeting of SC2, October 1976. Documents of the new secretariat (Germany) will start at N 300 and a list of all previous documents N1 to N299 would be given to the new secretariat. This list will be circulated to SC2 members.

The program of work was discussed in detail as follows:

1. Moisture by Gravimetric Method (Res.121 & 122 Belgrade)

   Revised version of N281 to be submitted to letter ballot of SC2. Further samples from U.S.S.R. Yugoslavia and Germany in excess of 40% moisture to be sent to Canada to provide additional information on the comparison of ISO 1015 (Volumetric Method and revised N281 Gravimetric Method).

2. Volatile Matter (Res 123 Belgrade)

   Members of the SC2 are requested to comment on revised text of N286 as soon as possible. If no important comments are received the method will be forwarded to TC27 for letter ballot.

3. Densities (Res 124 Belgrade)

Revised text of N265 to be circulated to SC2 for comment as soon as possible. If no important comments received the method will be forwarded to TC27 for letter ballot.

4. Chemical Forms of Sulphur (Res 125 Belgrade)

It was agreed to ask TC27 to propose extension of the scope of ISO157 to include brown coals and lignites. If TC27 approves the extension, SC2 will ask that the item be dropped from the program of work.

Technological Forms of Sulphur (Res 126 Belgrade)

Revised text of N284 to be circulated to SC2 with inquiry as to whether the item should be retained in the program. Results to be forwarded to TC27.

Carbonate CO_2 (Res 127 Belgrade)

SC2 to ask TC27 to extend the scope of ISO925 to cover brown coals and lignites. It was agreed that SC2 suggest any needed changes so that ISO925 would apply to brown coals and lignites.

Humic Acids (Res.128 Belgrade)

Document N294 (revision of N241) to be circulated to SC2 membership for letter ballot.

Glossary (Res 129 Belgrade)

Document N 272 to be passed on to TC27 for letter ballot.

Sampling (Res 130 Belgrade)

WG7 has not agreed to include the sampling of seams of brown coals and lignites in their program of work as their present task is that of sampling from high speed conveyors. As a result document N271 will be circulated to SC2 for comment. The results to be considered at the next meeting.

SC3 recommends that SC2 consider work on sampling brown coals and lignites from high speed conveyors. It was felt that this item should be held in abayance until SC3 has completed their work and then consider if the proposed method is also applicable to brown coals and lignites.

Moisture Holding Capacity (Res 131 Belgrade)

Document N280 and ISO 1018 are to be compared by SC2 to establish if the scope of ISO 1018 could be extended to cover brown coals and lignites.

Chlorine (Res 132 Belgrade)

ISO 352 and ISO 587 cover this determination in hard coals. ISO 587 already covers brown coals. ISO 352 will be examined to determine if by extending the scope it too would apply to brown coals and lignites.

Classification (Res 133 Belgrade)

Progress of the ECE committee on coal classification was reported. TC27 is awaiting the outcome of discussions by ECE to be held in Geneva in February 1979. It was agreed that SC2 should also await the outcome. Canada I believe is a member of this committee (Coal Committee of ECE). Who represents Canada, and who will attend the meeting? The Canadian representative should have the knowledge of standards and the technical competance to contribute to the meeting.

Allocation of the Secretariat (Res 134 Belgrade)

As discussed in the introduction the following program of work and priorities was agreed to by those present.

Item	Documents	Resolution and Target date	DIS to ISO/CS
Sampling	doc 27/2 N 271 (DP 5069)	Resolution No 144 By next SC 2 meeting	January 1981
Density	doc 27/2 N 265 (DP 5072)	Resolution No 139 By 28 February 1979	January 1980
Moisture	doc 27/2 N 281 (DP 5068) ISO 1015	Resolution No 137 By 28 February 1979	January 1980
Volatile matter	doc 27/2N 286 (ISO/DP 5071)	Resolution No 138 By 28 February 1979	January 1980
Moisture-holding capacity	doc 27/2 N 280 ISO 1018	Resolution No 146	June 1980
Classification	-	Await the outcome of meeting under the auspices of the Economic Commission for Europe (February 1979) and statement of TC 27 position	Jan 1982
Glossary	doc 27/2 N 272 (ISO/DP 1213/IV)	Resolution No 143	Dec 1979
Humic acids	doc 27/2 N 294 (ISO/DP 5073)	Resolution No 142 By 30 June 1979	June 1980
Sampling from high speed high capacity conveyors		Resolution No 145	-

The Secretariat of SC2 was requested to consider extension of the scope of several standards to include brown coal and lignites, and if only minor changes are required that the secretariat ask TC 27 to forward the ammendments to the ISO Central Secretariat for circulation to ISO Council for approval. If on the other hand more than editorial changes are needed that TC 27 propose revision of the standards as new items of work for letter ballot of TC 27.

The following standards are under consideration in this context:

determination of:	
1 - carbon	ISO 625
2 - hydrogen	ISO 609
3 - oxygen	ISO 1994
4 - nitrogen	ISO 332 and ISO 333
5 - forms of sulphur	ISO 157
6 - heating value	ISO 1928

It was felt that many members of SC2 were not aware of the applicability of several standards to brown coals and lignites and should be made aware of the fact. The following standards fall into this category.

ISO 602	Mineral matter
ISO 1171	Ash
ISO 334	Total Sulphur (Eschka method)
ISO 351	Total Sulphur (High temperature method)

The following items were proposed as new items of work by Yugoslavia who will provide justification for their study.

- angle of repose
- angle of slide (slip)
- bulk density (free flow)
- bulk density (vibrated)

SC 2 members be requested to consider whether or not standards are required for the following, indicating the scope of any such items and providing proposals if possible:

- carbonization
- gasification
- liquefaction
- rapid instrumental methods of analysis